



# DEPARTMENT OF THE NAVY

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U.S. FLEET FORCES COMMAND  
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CFFCINST 3900.1A  
N8  
22 Dec 03

## COMFLTFORCOM INSTRUCTION 3900.1A

Subj: SEA TRIAL

Ref: (a) Naval Power 21  
(b) CNO 011515Z Oct 01 (Sea Power 21 Implementation)

Encl: (1) Sea Trial process diagram

1. Purpose. To provide Commander, U.S. Fleet Forces Command (CFFC) policy guidance, establish responsibilities, and prescribe general procedures for establishing and executing Sea Trial in support of Sea Power 21.

2. Cancellation: COMFLTFORCOMINST 3900.1

3. Background. Naval Power 21, reference (a), provides SECNAV's vision for Navy and Marine forces. CNO and CMC have established Sea Power 21 and Marine Corps 21 as the Navy and Marine Corps' strategy for the 21<sup>st</sup> Century. Sea Power 21 is built around the core concepts of Sea Strike, Sea Shield, Sea Basing, enabled by FORCENet, with US Marine Corps Expeditionary Maneuver Warfare (EMW) and Joint maneuver warfare from the Sea Base fully embedded. Sea Trial will integrate emergent concepts and technologies into an experimentation process that will produce continuous improvements in naval warfighting. Reference (b) established CFFC as the lead agent for Sea Trial.

4. Objectives. Through Sea Trial, Fleet Forces Command (FFC) will formalize and fully integrate concept development and technology insertion into the experimentation process. Sea Trial will be Naval in focus through close coordination with the Marine Corps Combat/Force Development Process, and will support concurrent development and testing of joint warfare capabilities from the Sea Base. A comprehensive Sea Trial Concept Development and Experimentation (CD&E) Plan will rapidly mature Sea Shield, Sea Strike, Sea Basing and FORCENet concepts and technologies, codify experiment results in doctrine, and reflect in programs of record. The CD&E Plan will be concept-based and aligned to mission capabilities gaps and Fleet priorities. Emphasis will be on:

a. Speed -- Expeditious induction of new concepts and technologies into the experimentation process, along with rapid transition of promising outcomes into doctrine and program.

b. Comprehensive -- Single point visibility over all Navy experimentation other than the Discovery and Invention portion of the Navy's Science and Technology effort.

c. Jointness -- Maximum incorporation of Joint Concept Development and Experimentation (JCD&E) into Navy processes.

d. Relevance -- Applicability of experimentation to mission capability gaps in naval warfighting.

e. Economy -- Maximum effectiveness and efficiency from Concept Development and Experimentation (CD&E) efforts.

5. Joint Applicability. Marine Corps operating forces are part of the fleet. Accordingly, the Marine Corps will be an equal partner at each level within the Sea Trial process and will use the Sea Trial process to coordinate their (CD&E) efforts that are inherently naval and not service specific. As the Deputy Commandant for Combat Development, Commanding General Marine Corps Combat Development Command (CG MCCDC) is the Marine Corps' Sea Trial coordinator. Sea based operations will be increasingly important to overall joint/combined warfare missions. To that end, coordinated efforts with the Army, the Air Force and other forces are important to maximize the payoff of ongoing naval force experimentation to future joint/combined war fighting effectiveness. Concurrently, and to the greatest extent possible, Sea Trial will also support future coalition operations. Finally, Joint Forces Command (JFCOM) plays a key role in JCD&E, and a strong relationship will exist between Sea Trial efforts and JFCOM interests.

6. Sea Trial Organization. Sea Trial is a CFFC-led collaborative effort that includes COMPACFLT, COMNAVEUR, DCNO (N6/N7), CNR, CNWDC, CG MCCDC (DC, CD), C3F, C2F, C5F, C6F, C7F, NETWARCOM and others involved in Naval CD&E

a. Sea Trial Executive Steering Group (STESG). CFFC will establish and chair a flag officer Sea Trial Executive Steering Group (STESG) comprised of COMPACFLT, COMUSNAVEUR, DCNO (N6/N7), CNR, CNWDC and CG MCCDC (DC, CD). COMSECONDFLT, partnered with COMFIFTHFLT and COMSIXTHFLT, and COMTHIRDFLT, partnered with COMSEVENTHFLT, will participate as Sea Trial Operational Agents

for Sea Strike, Sea Basing and Sea Shield. COMNAVNETWARCOM will participate as the Sea Trial Operational Agent for FORCEnet. Marine Corps operational forces (MARFORLANT and MARFORPAC) designated by CG MCCDC (DC,CD) will participate as counterparts to the Operational Agents to address Naval issues as appropriate. A single Flag-level representative of each SYSCOM will participate in STESG meetings as advisory members for matters relating to Research and Development (R&D) and industrial base capability. A COMOPTEVFOR flag level representative will participate in STESG meetings and advise on Operational Test and Evaluation (OT&E) matters. The STESG will coordinate an agile, responsive and transformational Sea Trial process. Members and designated commands will coordinate quarterly to validate recently completed military utility assessments, determine if additional testing is required and/or recommend follow-on action including analysis and programming via the Naval Capabilities Development Process and PPBE, approve the Sea Trial Execution Plan including any modifications, additions or deletions of follow-on events based on the results of other completed testing, resolve issues of resources and/or priorities, assess non-traditional solutions to ongoing warfighting development issues, and make recommendations to CFFC on the viability of emergent concepts and technologies. Events approved by the Operational Agent but remaining unscheduled will be reviewed at each STESG. This dynamic review process will ensure Sea Trial remains agile and responsive to emerging concepts or materiel solutions to warfighting challenges.

b. Operational Agents (OA). COMSECONDFLT (partnered with COMFIFTHFLT and COMSIXTHFLT) is the Sea Trial Operational Agent for Sea Strike and Sea Basing. COMTHIRDFLT (partnered with COMSEVENTHFLT) is the Sea Trial Operational Agent for Sea Shield. COMNAVNETWARCOM is the Sea Trial Operational Agent for FORCEnet. Operational Agents are responsible for overall prioritization and coordination of all aspects of warfighting CD&E within their respective pillar areas. The Operational Agents, supported by members of the Fleet Collaborative Teams (FCT) and NWDC, will validate proposed CD&E initiatives (contained in the Sea Trial Information Management System (STIMS)); oversee the planning, coordination and conduct of Sea Trial events; and brief results to the STESG. Any activities desiring to conduct a Sea Trial event that falls in part or wholly under one or more of these pillars will fully coordinate such initiatives through the respective OA, and will ensure these initiatives are entered into the STIMS database. Marine Corps operational forces (MARFORLANT AND MARFORPAC) designated

by CG MCCDC (DC,CD) will participate as counterparts to the Operational Agents to address Naval issues as appropriate.

c. Fleet Collaborative Teams (FCTs). These teams are chartered by CFFC and will contribute to the Naval Capability Development Process (NCDP) and CD&E efforts. FCTs will leverage the intellectual capital of Warfare Centers of Excellence (WCOE), NWDC, ONR, TYCOMs, SYSCOMs, Fleets and other commands, and are generally organized along Mission Capability Package (MCP) lines under the Naval Capability Pillars (NCP) of Sea Strike, Sea Shield, Sea Basing and FORCEnet. FCTs will provide the Operational Agents with the necessary expertise to develop and evolve the Sea Power 21 operating concepts. WCOEs are key to the CD&E aspect of the FCT's charter, as they will be responsible for key elements of doctrine, tactics, techniques and procedures (TTP), Lessons Learned Remedial Action, and CD&E. This directive authorizes Operational Agents, acting on behalf of CFFC, to direct FCTs in their MCP areas for development and implementation of experimentation plans. In addition to their role in the NCDP process, FCTs will contribute to CD&E in the following manner:

(1) Develop Sea Power 21 Operating Concepts. The FCTs are responsible to their respective Operational Agents for development and evolution of Sea Power 21 operating concepts and the overall direction for CD&E in their respective areas. NWDC will coordinate this effort across all OA Sea Trial activities, and FFC N8 will assist in this process.

(2) Provide Subject Matter Experts (SMEs) for, and participate in, concept development initiatives germane to their mission area to include wargaming (including modeling and simulation), MCP Integrated Product Teams (IPT), Sea Trial Military Utility Assessment (MUA) teams, limited objective experiments (LOEs), employment of operational prototypes and major field experiments (e.g. Fleet Battle Experiments (FBEs), and USMC Advanced Warfighting Experiments (AWEs)). Operational Agents will periodically convene concept development workshops that combine the efforts of SMEs, operators, technologists, and network specialists to formulate innovative new operating concepts that harness advanced systems to provide enhanced capabilities in their assigned mission areas.

(3) In cooperation with and with the approval of the OA(s), develop Sea Trial Execution Plans that support the Sea Trial CD&E Plan. FCTs will develop Execution plans for their

mission/functional area for approval by the Operational Agent in coordination with CFFC (NWDC facilitating).

(4) Ensure Sea Trial Events are properly planned and scheduled. The FCT, assisted by NWDC, will identify requirements necessary for Fleet schedulers/planners.

(5) Review and Process Military Utility Assessments.

(6) Participate in TACMEMO development and support experimentation and Tactics, Techniques and Procedures (TTP) for validated capabilities.

(7) Oversee and report to their respective Operational Agents on the implementation of the approved and funded CD&E activities laid out in the Sea Trial Execution Plan.

## 7. Sea Trial Process.

a. CD&E initiatives, whether concept or technology based, will be submitted by the FCTs, OPNAV, ONR, SYSCOMS, Industry or other agencies to NWDC for consolidation, tracking, and coordination via the STIMS database. Demonstrations, events, experiments, or prototypes designed to explore new technologies or concepts with the fleet, or on behalf of the fleet, require strict adherence to the Sea Trial process. This includes entering information into STIMS. NWDC will ensure distribution to all activities.

b. The OA, assisted by NWDC and FCTs, will examine CD&E initiatives to determine their technical feasibility, relevance to the Sea Trial CD&E Plan, whether the initiative meets Fleet priorities (as determined by OAs) and/or Mission Capability gaps, and identify the appropriate experimental venue. Initiatives failing to meet the criteria will be rejected by the Operational Agent and the sponsor and CFFC will be informed of the rationale.

c. The Operational Agent will examine validated initiatives to determine if additional monetary resources are required.

(1) Validated initiatives that are adequately resourced will continue to be processed as follows. The event's sponsor, in coordination with the FCTs and NWDC, will develop an experimentation plan and submit it to the OA for approval. This plan will describe how the experiment will be conducted and will include a data collection and analysis plan (DCAP) with appropriate metrics. Once approved, these validated initiatives

will become Sea Trial events and the OA will provide an information brief to the STESG at the first opportunity. CFFC (with NWDC as agent) will then assign the Military Utility Assessment (MUA) team and MUA timeline.

(2) Initiatives with resource issues will be forwarded to NWDC for broad effort resolution, or (if beyond existing resource capability) for presentation by NWDC to the next STESG for resolution (i.e. funding, postponement, modification, or termination). In those instances where an important Sea Trial opportunity will be missed by waiting for the next full STESG meeting, NWDC will prepare and immediately electronically forward to all STESG principals a summary of the proposed event and actions required to support a coordinated decision, ensuring the responsiveness of the overall system.

d. NWDC will align all events across all Naval Capability Pillars and present a consolidated Execution Plan to the STESG. The Execution Plan will be presented to the STESG in June and will outline the CD&E intentions for the subsequent two fiscal years. Changes to the Execution Plan will be briefed to the STESG by the OA proposing the change.

e. The OA will publish a Quick Look upon completion of the Sea Trial event and provide it to the STESG.

f. The MUA team will complete the MUA in accordance with the MUA timeline and submit it to the OA for approval. Completed MUAs will be distributed and briefed to the STESG by the respective OA. NWDC will coordinate these briefings for the STESG, with the goal of providing an efficient summary of Sea Trial products completed since the previous STESG meeting, and as a basis for review of planned and pending Sea Trial events in support of dynamic validation of the overall Sea Trial CD&E Plan. MUA recommendations will be categorized into Doctrine, Organization, Training, Materiel, Leadership, Personnel and Facilities format. The STESG will rate each recommendation based on four possible outcomes. OPNAV N6/N7 is the single point of entry for FFC products (with the exception of doctrine) resulting from Sea Trial experiments. Events classified as having significant enhanced warfighting capability impact will be presented to CFFC for immediate delivery to OPNAV N6/N7 for insertion into the NCDP or forwarded by N6/N7 to the applicable OPNAV process agent for action (e.g. N1 (Manpower and personnel), N4 (Readiness, material, facilities), N00T (Training)). Those items that are doctrinal related will be passed by CFFC directly to NWDC. Events classified as having

positive enhanced warfighting capability impact will be presented to CFFC for delivery to OPNAV N6/7 and distributed as mentioned above. CFFC will carefully track the progress of these inputs. Events evaluated as not mature enough and requiring further examination will be rescheduled for additional experimentation as warranted. Events evaluated as not providing an impact will be closed out.

g. The status of all Sea Trial events will be maintained on STIMS and will be available for stakeholder review. This status will be provided to the STESG as a read ahead before meetings

8. Sea Trial Concept Development and Experimentation (CD&E) Plan. The Sea Trial CD&E Plan will be directed by CFFC and drafted by NWDC based upon the inputs of the Operational Agents. The CD&E Plan will be focused 10 years out and contain a detailed listing of Fleet priorities and mission capability gaps. This CD&E Plan will be a dynamic document, that will establish metrics to assist OAs in determining applicability of their Sea Trial efforts and allow the STESG to measure overall Sea Trial progress, support proper planning for complex testing requirements, and take full and increased advantage of emergent, smaller scale, more focused testing opportunities. The CD&E Plan should implement a comprehensive Sea Trial Roadmap that integrates studies, war games, experimentation, and exercises with proposed evaluation metrics. This CD&E Plan should include those promising concepts and technologies that speed Sea Power 21 capabilities to the Fleet.

9. Sea Trial Execution Plan. The Sea Trial Execution Plan is a two-year document and represents a collection (synchronized across NCPs) of OA planned Sea Trial events. The document will be prepared by NWDC based on inputs from the OAs and briefed to the STESG for approval each June. The Execution Plan will also contain evaluation metrics and an execution timeline. Subsequent changes in OA planning requiring a change to the Execution Plan will be briefed by the individual OA.

10. Sea Trial Information Management System (STIMS). STIMS, an NWDC developed and maintained interactive web based database, will be the central library of initiatives and technologies and will be used as the tool to manage Sea Trial events and related activity. Operational Agents, supported by all FCTs and all other Sea Trial event sponsors are responsible for populating and updating all STIMS database entries for their respective efforts. Other commands, including CNR, OPNAV, SYSCOMS, etc.,

will ensure all experimentation is fully documented in STIMS. The initiative submission format will be contained in STIMS and entry into STIMS will be the minimum essential requirement for any event to be considered for future Sea Trial status. NWDC will maintain business rules that will be used by CFFC for utilization of STIMS by all stakeholders.

11. External Sea Trial Interfaces. Sea Trial must be synchronized with other processes related to CD&E. CFFC (with NWDC as agent) shall work with OPNAV, ONR, USJFCOM and other services/agencies responsible for these processes to create a fully integrated approach to Naval transformation in support of joint/combined warfighting capabilities development.

12. Roles and Responsibilities.

a. Commander, U.S. Fleet Forces Command.

(1) Is the Lead Agent for Sea Trial and the supported Commander for all Sea Strike, Sea Basing, Sea Shield, and FORCEnet CD&E under Sea Trial.

(2) Is responsible for the composition of Sea Trial CD&E Plan (supported by NWDC), review, promulgation and periodic modification following STESG deliberations. The CD&E Plan is the principle definitive tool for establishing Sea Trial goals and will be the basis which overall Sea Trial measures progress.

(3) Will chair the STESG and act as the approval authority for STESG recommendations.

(4) Will (with NWDC as agent) assign the MUA team and associated timeline.

(5) Will endorse Sea Trial results and direct implementation via OPNAV NCDP and PPBE processes.

(6) FFC N82 is the FFC staff project office for Sea Trial. FFC N80 is the overall coordinating authority for FCTs, with FFC N82 providing assistance for CD&E efforts.

b. Commander, U.S. Pacific Fleet/Commander, U.S. Naval Forces Europe.

(1) Provide forces when available to support the Sea Trial Execution Plan.



(2) Integrate experiments into fleet exercises to the maximum extent possible while minimizing the impact on fleet readiness and training.

(3) Recommend pertinent/relevant emergent technologies and concepts as Sea Trial events. Facilitate efforts to fast track select technologies/concepts based on Sea Trial assessments.

(4) Identify to the Operational Agents focus areas for prioritizing CD&E.

(5) Provide representation to the STESG.

c. Navy Warfare Development Command (NWDC).

(1) Is the supporting commander as the Sea Trial Project Coordinator across all Navy/Naval sea trial activities. NWDC is the supported commander for development of the Sea Trial CD&E Plan and maintenance of the STIMS website. The CD&E Plan and/or the Execution Plan may be modified/updated following each STESG meeting. CFFC may direct an urgent change at any time.

(2) Will link proposed Sea Trial events to warfighting capabilities required to support Sea Power 21.

(3) Will, through representation on all FCTs, coordinate with PEOs, SYSCOMs, WCOEs, T&E Centers, labs and ONR to develop an integrated and synchronized CD&E Plan that focuses on Fleet priorities and Mission Capability gaps. The OA approved execution plans will be synchronized by NWDC and included in the Sea Trial Execution Plan. NWDC, reporting to the STESG, will coordinate these efforts across all OAs, minimizing (with a goal of eliminating) redundancies in experimentation planning, and providing an independent assessment of the combined Sea Trial process in addressing MCP gaps, and other naval and joint warfighting capability development requirements.

(4) Identify for CFFC, via the STESG, areas that are not being addressed by any proposed Sea Trial events following assessment of the overall Sea Trial effort.

(5) Focus the CD&E Plan in accordance with CFFC, Operational Agent, OPNAV N6/N7, and CG MCCDC priorities while consistently working to meet joint requirements. Ensure the plan remains agile and aggressively takes advantage of rapidly

changing testing requirements and/or opportunities to rapidly advance warfighting capability development and deployment.

(6) As part of the Sea Trial CD&E Plan development, ensure the rapid integration of lessons learned, fleet feedback, and previous experimentation analysis and assessment.

(7) Coordinate and liaison with CG MCCDC to integrate (where appropriate) USMC CD&E into Sea Trial.

(8) Supported by the Operational Agents, FCTs, and WCOEs, plan and coordinate execution, analysis and assessment of Fleet Battle Experiments (FBEs), selected limited objective experiments and other experiments as required.

(9) Promulgate and maintain an experimentation planning guidebook to provide execution guidance for field experiments.

(10) Synchronize experimentation activities and efforts to co-evolve the technology, doctrine/TTP and organizational changes required to deliver a fielded capability. Recommend to CFFC, OA(s) and all other appropriate commands opportunities to modify or cancel planned Sea Trial events to eliminate duplication of effort, hold down cost, and/or free assets to focus on higher priority Sea Trial requirements.

(11) Leverage other service, joint, and combined experimental activities to the maximum extent possible and coordinate the fleet's participation in these other experimental activities.

(12) Coordinate all Sea Trial Wargames/spiral plans with NWC and modify them as required to support Sea Trial CD&E Plan priorities.

(13) Integrate analysis and assessment results into DOTMLPF change recommendations for CFFC.

(14) As operational concepts are validated, promulgate them as doctrine/TTP.

(15) Integrate all TAC D&E activities applicable to the Sea Trial CD&E Plan.

(16) Develop and host the interactive STIMS database and provide assistance to activities entering data into STIMS as necessary. Report to CFFC and all OA(s) on the status of STIMS

usage, to ensure all Sea Trial events are fully documented in the database.

(17) Coordinate with ONR, MCCDC/VNCR and SYSCOMs to ensure R&D activities support near, mid and long term Sea Trial priorities. Obtain visibility over ONR Future Naval Capabilities (FNC) and Naval Systems Innovations (NSI) to assist in determining which elements are mature enough for inclusion in Sea Trial events.

(18) Apprise CFFC, supported by the Operational Agents and all other appropriate commands, of guiding requirements and modifications/limitations to approved STESG plans as available funding and/or cost estimates to support events evolves.

(19) Maintain a repository of Sea Trial results.

d. Commander, Second Fleet (COMSECONDFLT) Commander, Third Fleet (COMTHIRDFLT) and Commander, Naval Network Warfare Command (COMNAVNETWARCOM) .

(1) Serve as the supported Commander and Operational Agent for Sea Trial activities associated with the pillars under their cognizance and as a force provider for Sea Trial activities.

(2) Coordinate fleet activities in their respective AORs to support the Sea Trial Execution Plan.

(3) Coordinate with Marine forces and other numbered fleet commanders as appropriate.

(4) Develop Fleet priorities for CD&E and nominate high impact capabilities, activities and technologies to be incorporated into CD&E plans.

(5) Review and approve recommended execution plans developed by FCTs in support of assigned pillars. Forward and brief issues to the STESG for resolution as required. All designated FCTs will fully support OAs in these efforts.

(6) Support joint and combined CD&E for all pillar related activities, as directed, including allied and coalition requirements.

(7) Provide Military Utility Assessments of Sea Trial experimentation to CEFC for approval and forwarding as appropriate.

(8) COMTHIRDFLT coordinate Sea Based Battle Lab (SBBL) activities as required to support the Sea Trial CD&E Plan.

e. Naval War College (NWC).

(1) Coordinate with NWDC to fully integrate and synchronize all Sea Trial Wargames/spiral events with the Sea Trial CD&E Plan.

(2) Coordinate, with NWDC, a long-term wargaming plan for integration into the Sea Trial CD&E Plan.

(3) Coordinate with CG MCCDC for integration of USMC CD&E into Sea Trial (DIRLAUTH with Expeditionary Force Development Center (EFDC) for USMC concept development and JCD&E. DIRLAUTH with Marine Corps Warfighting Lab (MCWL) for experimentation).

(4) Coordinate with other services and JFCOM to ensure Sea Trial initiatives are reflected in appropriate ongoing joint experimentation, and that other service initiatives are reflected in applicable naval wargaming.

f. Chief of Naval Research (CNR).

(1) Serve as the supporting commander for Sea Trial S&T activities.

(2) In cooperation with NWDC and MCCDC, nominate FNC and NSI activities that are sufficiently mature for inclusion in Sea Trial.

(3) Provide representation to the STESG.

(4) Provide representation to the FCTs as assigned.

g. OPNAV N6/N7.

(1) Serve as supported Warfare Sponsor for Sea Shield, Sea Strike, Sea Basing, and FORCENet in the development of

Mission Capability Packages (MCP)/Naval Capabilities Plans and follow-on development of a Sponsor Program Proposal (SPP).

(2) As co-chair of the Technology Oversight Group (TOG), and working with ONR, N6/N7 will ensure FNC projects support the Sea Trial CD&E Plan objectives where applicable.

(3) Serve as supporting Resource Sponsor for Sea Shield, Sea Basing, Sea Strike and FORCEnet.

(4) Assign Platform Sponsors as contributing Sea Trial resource sources for addressing capability gaps identified by both the NCDP and as determined by Operational Agents (Working together with OPNAV Warfare Sponsors in a collaborative role).

(5) Incorporate Sea Trial results as endorsed by CFFC into the NCDP or forward to the applicable OPNAV process agent for action (e.g. N1 (Manpower and Personnel), N4 (Readiness, Material, Facilities), N00T (Training)). Those items that are doctrine-related will be passed by CFFC directly to NWDC.

(6) Provide representation to the STESG.

(7) Support the FCTs through the consulting membership of the various MCP leads to provide a conduit of information from the MCPs and NCPs.

h. Warfare Centers of Excellence (WCOE).

(1) Integrate tactical development and evaluation into the Sea Trial CD&E Plan to include TTP development for experiments, TACMEMO development for use of operational prototype systems, and schedule events through NWDC in conjunction with complementary Sea Trial field experiments.

(2) Support CD&E through representation on FCTs assigned to support core competency areas.

i. Systems Commands.

(1) Ensure appropriate R&D, experimental and spiral development activities are included in the Sea Trial CD&E Plan and resource participation in Sea Trial activities as required.

(2) Support Sea Trial activity in coordination with NWDC.

(3) Provide representation to FCTs as assigned.

(4) Provide input to CFFC, in conjunction with OPNAV, on the capability of the industrial base to evaluate the concepts under development as part of the Sea Trial efforts with particular focus in meeting MCP identified gaps.

(5) Provide representation to the STESG.

j. CG MCCDC (DC, CD).

(1) Serve as a supporting commander as the USMC Sea Trial Coordinator and the supported commander for USMC/Navy Sea Trial CD&E activities.

(2) Coordinate USMC CD&E activities, including participation in FORCEnet, as required to support the Sea Trial CD&E Plan.

(3) Coordinate USMC Training & Education Command (TECOM), EFDC and MCWL activities to include wargaming as required to support Sea Trial CD&E Plan.

(4) Coordinate USMC S&T efforts and Marine Corps Systems Command (MCSC), HQMC and Marine Corps Advocate, and Joint CD&E activities in support of Sea Trial CD&E Plan.

(5) Coordinate assignment of USMC Operational Forces, as fleet counterparts, to participate as Sea Trial Operational Agents, and assign USMC representatives to the FCTs.

(6) Provide representation to the STESG.

(7) Provide input to STESG recommendations.

k. TYCOMS Provide representation to FCTs as assigned.

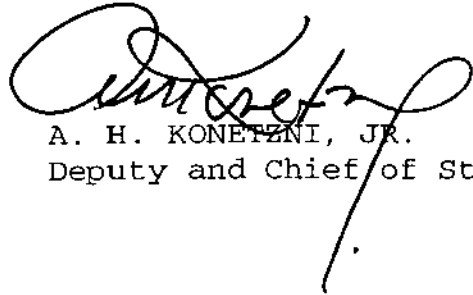
l. Naval Postgraduate School.

(1) Support Sea Trial through conceptual development and specific research in the areas of Sea Shield, Sea Strike, Sea Basing and FORCEnet in accordance with CFFC/NPS Memorandum of Agreement.

(2) In conjunction with NWDC, support analysis of Sea Trial Event products. Additionally, develop and support long term Red Team Cells committed to representing potential major

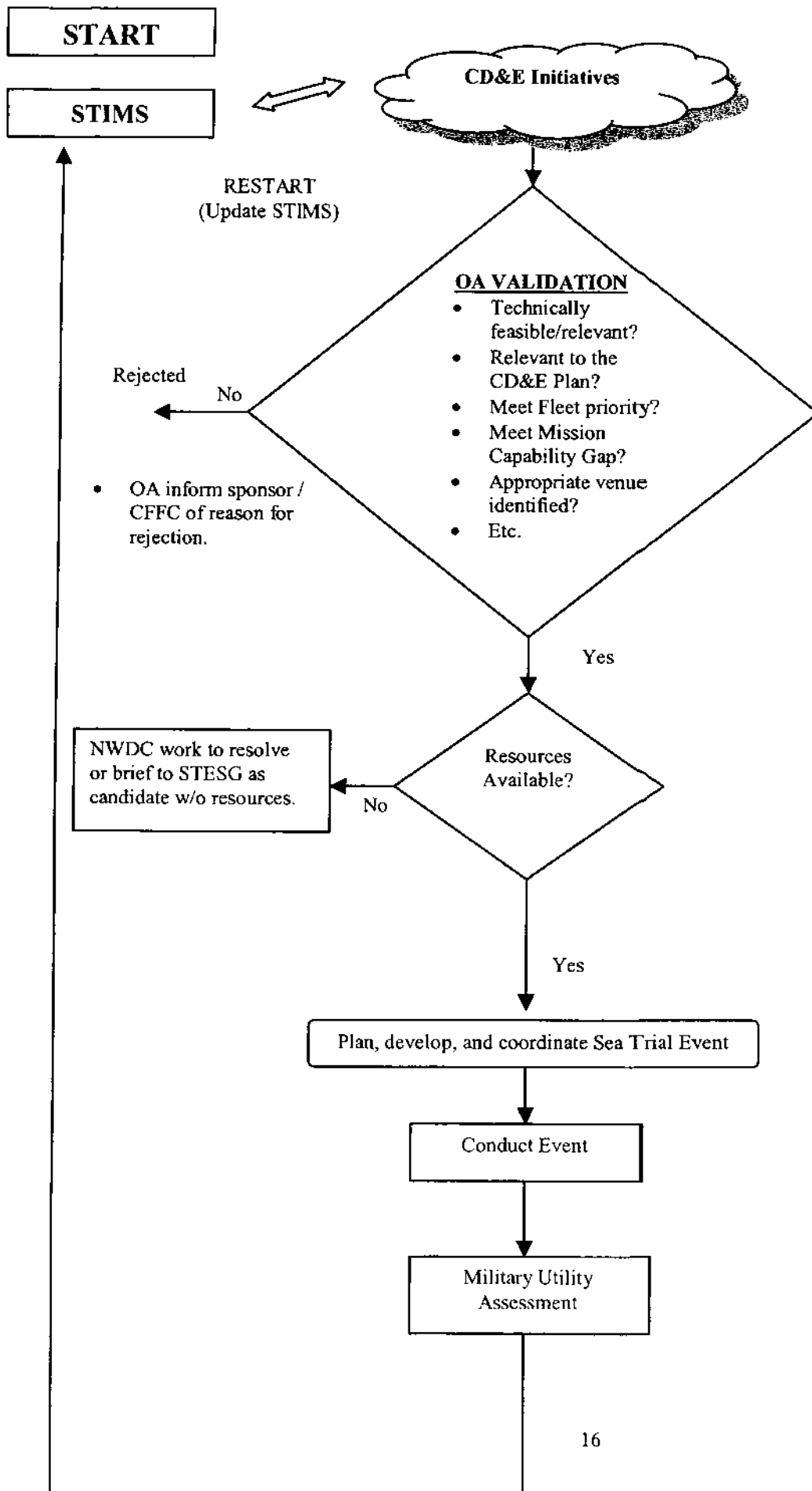
conflict, terrorism and other threats. Red Cells will be tasked to support war games and other experiments in order to raise the level of Red Team play, and to represent the potential capabilities joint forces may have to overcome in the future.

m. COMOPTEVFOR. is a supporting commander for planning, evaluation and operational impact assessment of Sea Trial initiatives.



A. H. KONEFZANI, JR.  
Deputy and Chief of Staff

Distribution:  
SNDL Parts 1 and 2



- START/ENTER Process via STIMS database. Events submitted by FCTs, OPNAV, ONR, Industry, SYSCOMS, other agencies.
- NWDC distribute to all stakeholders.

- OA conducts validation assisted by NWDC and FCT.

- Sponsor develops Experiment Plan and Data Collection & Analysis Plan
- NWDC aligns events across all pillars and presents consolidated Execution Plan to STESG
- CFFC designates Military Utility Assessment (MUA) Team and timeline
  - Proposed by OA

- OA publish Quick look
- Event sponsor complete analysis
- MUA team completes MUA and submits to OA for approval.



